

Centre No.						Paper Reference						Surname	Initial(s)	
Candidate No.						6	4	7	4	/	0	1	Signature	

Paper Reference(s)

6474/01

Edexcel GCE
Geography B
Advanced

Unit 4: Global Challenge
 Wednesday 23 January 2008 – Afternoon
 Time: 2 hours

Examiner's use only

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Team Leader's use only

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Question Number	Leave Blank
Section A	
1	
2	
3	
Section B	
4	
5	
6	
Section C	
7	
8	
9	
Total	

Materials required for examination

Nil

Items included with question papers

Resource Booklet

Instructions to Candidates

In the boxes above, write your centre number, candidate number, your surname, initials and signature. Check that you have the correct question paper.

Answer **THREE** questions, choosing **ONE** from **Section A** on page 2, **ONE** from **Section B** on page 10 and **ONE** from **Section C** on page 18. Write your answers in the spaces provided in this question paper. Do not use pencil. Use blue or black ink.

For each section, indicate which question you are answering by marking the box (☒). If you change your mind, put a line through the box (☒) and then indicate your new question with a cross (☒).

Include diagrams and sketch maps in your answers where these are helpful. Do not return the Resource Booklet with the question paper.

Information for Candidates

The marks for individual questions and the parts of questions are shown in round brackets: e.g. (2).

There are 9 questions in this question paper.

Questions in Sections A and B are worth 25 marks; questions in Section C are worth 30 marks.

The total mark for this paper is 80.

There are 28 pages in this question paper. Any blank pages are indicated.

Advice to Candidates

You must ensure that your answers to parts of the questions are clearly indicated by (a) or (b).

Quality of written communication will be assessed throughout.

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**For each section, indicate which question you are answering by marking the box (☒).
If you change your mind, put a line through the box (☒) and then indicate your new
question with a cross (☒).**

Section A

The Natural Environment

Answer ONE question only.

You are advised to spend approximately 35 minutes on this question.

- 1. Study Figure 1.**
- (a) Explain the links between global air circulation and surface weather conditions shown. **(10)**
- (b) With reference to specific examples, show how seasonal variations in climate affect economic activities. **(15)**
- (Total 25 marks)**

- 2. Study Figure 2.**
- (a) Assess the value of graphs such as Figure 2 in forecasting El Nino/La Nina events. **(10)**
- (b) Examine the problems of managing the effects of the El Nino/La Nina cycle in specific regions. **(15)**
- (Total 25 marks)**

- 3. Study Figure 3.**
- (a) Suggest reasons for the variations between the different global ecosystems shown. **(10)**
- (b) Assess the impact of human activity on **one** named global ecosystem. **(15)**
- (Total 25 marks)**
- (Total for Section A: 25 marks)**



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Section B

Population and the Economy

Answer ONE question only.

You are advised to spend approximately 35 minutes on this question.

- 4.** Study Figure 4.
- (a) Analyse the key factors that have influenced the total population change shown in Figure 4. **(10)**
- (b) With reference to examples, examine the link between economic development and the stages of the Demographic Transition Model. **(15)**
- (Total 25 marks)**

- 5.** Study Figure 5.
- (a) Suggest reasons for the pattern of displaced people shown. **(10)**
- (b) With reference to specific examples, examine the key management issues presented by international migration. **(15)**
- (Total 25 marks)**

- 6.** Study Figure 6.
- (a) Examine the factors which have led to the globalisation of the product shown. **(10)**
- (b) Assess the impact of changing economic activity over time on a named industrial area. **(15)**
- (Total 25 marks)**

(Total for Section B: 25 marks)



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Section C

Cross Unit Questions

Answer ONE question only.

You are advised to spend approximately 45 minutes on this question.

It is important that you use examples to support your arguments.

7. Study Figure 7.

(a) Describe and suggest reasons for the pattern of vulnerability shown. **(15)**

(b) With reference to examples, assess the need to manage economic development in an environmentally sustainable way. **(15)**

(Total 30 marks)

8. Study Figure 8.

(a) Suggest reasons why some countries shown have had greater success in meeting Kyoto targets than others. **(15)**

(b) 'Failure to reduce greenhouse gas emissions will have catastrophic global environmental consequences.' Using specific examples, discuss the validity of this statement. **(15)**

(Total 30 marks)

9. Study Figure 9.

(a) Suggest reasons for the differences in ecological footprints shown. **(15)**

(b) Is the North-South development gap widening or narrowing? Use specific examples to support your answer. **(15)**

(Total 30 marks)

(Total for Section C: 30 marks)



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